SEMESTER END EXAMINATION, MAY, 2024

Course Name: - B.Tech **Semester:- 2nd**

Paper Name: - Environmental Science **Paper Code:- TMC-201**

Time - 3 Hrs + 20 minutes per hour extra time for V.I. & examinees with writer. **Max Marks-70**

समय–3 घण्टे+ 20 मिनट प्रति घंटे अतिरिक्त–दृष्टिबाधित एवं राहलेखक परीक्षार्थियों के लिए। अधिकतम अंक–70

Instructions:

- The question paper consists of three sections namely A, B, C. All sections are compulsory.
- Section A- Each question carries **3 mark. All questions are compulsory.**
- Section B- Answer any **5 out of 7** given questions in maximum one hundred fifty (150) words. Each question carries **7 marks.**
- SectionC- Answer any **2 out of 3** given questions in maximum three hundred (300) words. Each question carries **10 marks.**

निर्देश:

- प्रश्न पत्र में तीन खण्ड अ, ब, व स हैं। सभी खण्ड अनिवार्य हैं।
- खण्ड–अ में प्रत्येक प्रश्न तीन अंक का है। सभी प्रश्न अनिवार्य हैं।
- खण्ड–बमे सात प्रश्नों में से किन्हीं पाँच प्रश्नों के उत्तर अधिकतम 150 शब्दों में दें। प्रत्येक प्रश्न सात अंक का है।
- खण्ड–स में तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर अधिकतम (300) शब्दों में दें। प्रत्येक प्रश्न **10** अंक का है।

Section – A (खण्ड–अ)

Objective Questions (वस्तुनिष्ठप्रश्न)

1. Answer allthe following questions. 5x3 =15

निम्नलिखित सभी प्रश्न अनिवार्य हैं।

i) The estimated percentage of the forest land that ideally India should have is:

(a) 50% (b) 15%

(c) 33% (d) 44%

ii) Brackish water ecosystems are found in which of the following:

(a) Streams (b) Wetlands

(c) Coastal shallows (d) Deltas

iii) What phenomenon occurs due to the accumulation of certain pollutants that increase in concentration along the food chain?

(a) Bio-magnification (b) Eutrophication

(c) Extinction (d) Pollution

iv) Which of the following is a secondary treatment for water pollution?

(a) Sedimentation (b) By the action of microbes

(c) Removal of nitrates (d) Filtration

v) Air pollution and control act came into force on

(a) 1980 (b) 1981

(c) 1972 (d) 1986

Section - B (खण्ड–ब)

Short Answer Questions (लघुउत्तरीय प्रश्न)

2. Answer any five of the following questions in maximum150 words. **5x7=35**
निम्नलिखित में से किन्हीं पाँच प्रश्नों के उत्तर अधिकतम 150 शब्दों में दें।

i. What are the different types of Natural Resources? Explain the associated problem with it and the conservation methods.

ii. Discuss the composition and formation of soil.

iii. Describe in brief the structure and function of an Ecosystem.

iv. What is Biodiversity? Discuss the different types and scales of Biodiversity.

v. Give in detail about the Sulphur and Phosphorus cycle.

vi. Describe the process of ozone construction and destruction.

vii. What is a Greenhouse gas? Discuss the advantages and disadvantages of Green house gases.

Section - C (खण्ड–स)

Descriptive Questions (विवरणात्मकप्रश्न)

3. Answer any two of the following question in maximum 300 words. **2x10=20**
निम्नलिखित में से किन्हीं दो प्रश्नों के उत्तर अधिकतम 300 शब्दों में दें।

i) What are the objectives, functions and powers of Wildlife Protection Act.

ii) Discuss in brief about the Project Tiger.

iii) Explain the waste water treatment method in detail.

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